

(19) 世界知的所有権機関  
国際事務局



(43) 国際公開日  
2004 年 11 月 4 日 (04.11.2004)

PCT

(10) 国際公開番号  
WO 2004/095496 A1

(51) 国際特許分類: H01J 11/02, 9/02

(21) 国際出願番号: PCT/JP2004/005686

(22) 国際出願日: 2004 年 4 月 21 日 (21.04.2004)

(25) 国際出願の言語: 日本語

(26) 国際公開の言語: 日本語

(30) 優先権データ:  
特願2003-116876 2003 年 4 月 22 日 (22.04.2003) JP

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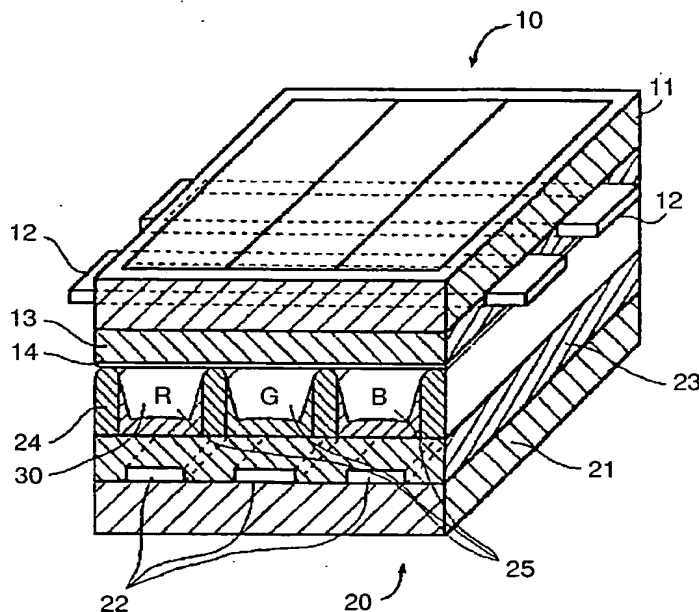
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(81) 指定国 (表示のない限り、全ての種類の国内保護が  
可能): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR,  
BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM,  
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU,  
ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,  
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG,  
SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,  
VC, VN, YU, ZA, ZM, ZW.

[続葉有]

(54) Title: PLASMA DISPLAY PANEL AND METHOD FOR PRODUCING SAME

(54) 発明の名称: プラズマディスプレイパネルおよびその製造方法



(57) Abstract: A plasma display panel is disclosed wherein the sustaining voltage is stabilized and decrease in phosphor luminance is suppressed. In the plasma display panel, a magnesium oxide (MgO) protective film (14), to which an oxide having an electronegativity of not less than 1.4 is added, is formed on a dielectric glass layer (13) as the magnesium oxide (MgO) protective film (14). Consequently, adsorption of impurity gases onto the protective film (14) can be suppressed, and therefore the sustaining voltage is stabilized and decrease in phosphor luminance is suppressed.

[続葉有]

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(84) 指定国 (表示のない限り、全ての種類の広域保護が可能): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), ユーラシア (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), ヨーロッパ (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

添付公開書類:

— 国際調査報告書

2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

(57) 要約: 放電維持電圧の安定化と蛍光体の輝度劣化の低減を図ったプラズマディスプレイパネルである。プラズマディスプレイパネルにおいて、誘電体ガラス層(13)上に形成される酸化マグネシウム(MgO)の保護膜(14)として、電気陰性度が1.4以上の酸化物を添加した酸化マグネシウム(MgO)の保護膜(14)を形成することによって、保護膜(14)の不純ガス吸着を抑制し、放電維持電圧の安定化と、輝度劣化の低減を図ることができる。

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/005686

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> H01J11/02, H01J9/02.

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> H01J11/00-11/04, H01J17/00-17/49, H01J9/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2004
Kokai Jitsuyo Shinan Koho	1971-2004	Toroku Jitsuyo Shinan Koho	1994-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 11-003665 A (Matsushita Electric Industrial Co., Ltd.), 06 January, 1999 (06.01.99), Claims 2 to 3; Par. Nos. [0046] to [0050] (Family: none)	1-5
X	JP 56-061739 A (Fujitsu Ltd.), 27 May, 1981 (27.05.81), Full text; all drawings (Family: none)	1-4
X	JP 11-339665 A (Mitsubishi Electric Corp.), 10 December, 1999 (10.12.99), Claims 1 to 3; Par. Nos. [0045] to [0048] (Family: none)	1-4

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

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"&amp;" document member of the same patent family

Date of the actual completion of the international search  
06 July, 2004 (06.07.04)Date of mailing of the international search report  
20 July, 2004 (20.07.04)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/005686

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2002-260535 A (Hitachi, Ltd.), 13 September, 2002 (13.09.02), Par. Nos. [0020] to [0023], [0032] & EP 1237175 A2 & KR 2002/070755 A & US 2002/121861 A1	1-4
P,X	JP 2004-047193 A (Hitachi, Ltd.), 12 February, 2004 (12.02.04), Full text; all drawings (Family: none)	1-4
E,X	JP 2004-131785 A (Mitsubishi Materials Corp.), 30 April, 2004 (30.04.04), Par. Nos. [0014] to [0022] (Family: none)	1-4